

# Converting Colors

Hex(CBF542)

Have a look what the booklet for  
Hex(CBF542) contains.

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# Color

Hex(CBF542)

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF542
RGB	203, 245, 66
RGB Percent	80%, 96%, 26%
CMY	0.2039, 0.0392, 0.7412
CMYK	0.17, 0.00, 0.73, 0.04
HSL	74°, 90%, 61%
HSV	74°, 73%, 96%
XYZ	58.2644, 78.3947, 17.2151
YIQ	212.0360, 32.4270, -64.5730

# Conversions

## Conversions Part 2

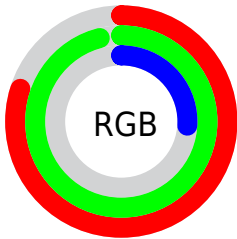
Format	Color
<b>RYB</b>	66, 245, 108
Decimal	13366594
CIELab	90.96, -36.29, 76.27
CIElCh	91, 84.461, 115.447
Yxy	78.3947, 0.3786, 0.5095
Android (android.graphics.Color)	4291556674 (0xFFCBF542)
YUV	212.0360, -71.9957, -7.9246
Hunter-Lab	88.5408, -37.4842, 50.4507

# Details

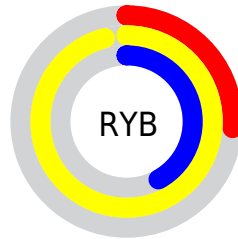
The Hex color **CBF542** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **6C42F5**, and the grayscale version is **D5D5D5**.

A 20% lighter version of the original color is **FFFF7D**, and **91BD00** is the 20% darker color. If you saturate the color by 10%, you get **C5F52A**, and if you desaturate by 10%, it is **D1F55B**.

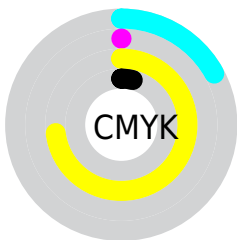
# Distribution



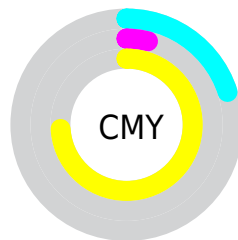
- Red (80%)
- Green (96%)
- Blue (26%)



- Red (26%)
- Yellow (96%)
- Blue (42%)



- Cyan (17%)
- Magenta (0%)
- Yellow (73%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CBF542 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color CBF542 by changing the saturation by 10% instead.



 CBF542

 CBF542

FFFFFF

 AED81D

 FFFF7D

 91BD00

 FFFF9A

 74A100

 FFFFB7

 578700

 FFFF7D

 3B6E00

 FFFFF2

 1B5500

 003D00

 002800

 000700

 CBF542

 CBF542

 C5F52A

 D1F55B

 C0F511

 D6F573

 BCF500

 DCF58C

 E2F5A4

 E8F5BD

 EDF5D5

 F3F5EE

 F9F5FF

 FFF5FF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



FFDD2F



CBF542



59FF84

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



CBF542



00FFFF



FF98F5

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



CBF542



6C42F5

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FFB1FF



CBF542



00F2FF

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



CBF542



00FFFF



CFD5FF



FF9FA4

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



CBF542



00FFBA



CFD5FF



FF9EFF

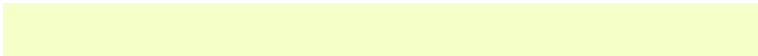


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



CBF542



F2FFC7



F56C42



78805E



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



CBF542



CAFF1F



72F542



787A6E



8EBA00



2D3B00



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6C42F5



531FFF



C542F5



716E7A



2C00BA

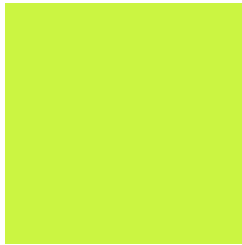


0E003B



# Previews

## White Background



This preview shows how the Hex color CBF542 looks on a white background.

## Color Contrast Check

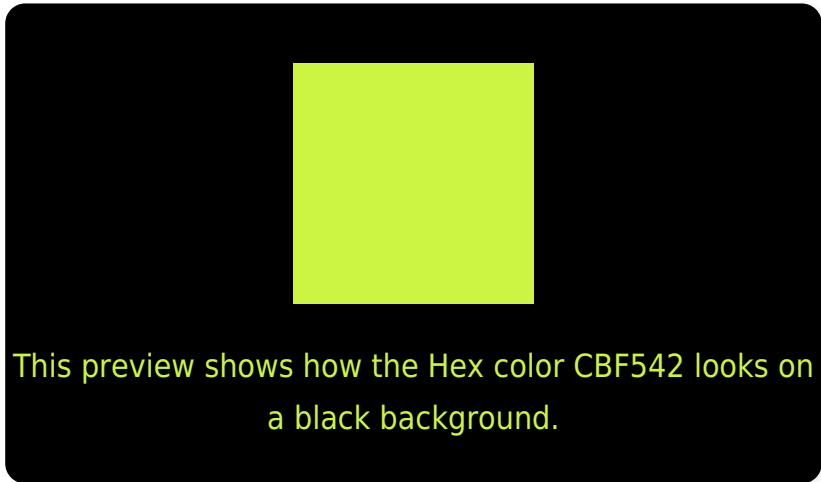
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex CBF542 Background



This preview shows how black text looks on a background with the Hex color CBF542.

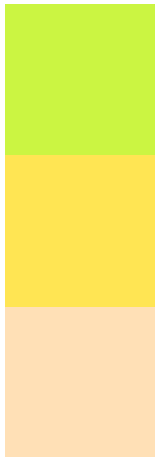


This preview shows how white text looks on a background with the Hex color CBF542.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
CBF542

**Protanopia**  
FFE553

**Deuteranopia**  
FFE0B6

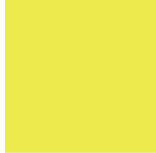


**Tritanopia**  
DEE5F7

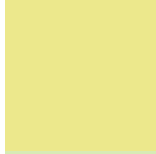
# Trichromacy



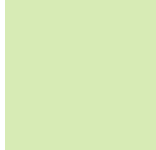
**Original Color**  
CBF542



**Protanomaly**  
ECEB4D



**Deuteranomaly**  
ECE88C

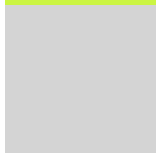


**Tritanomaly**  
D7EBB5

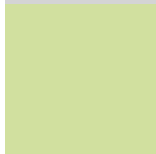
# Monochromacy



**Original Color**  
CBF542



**Achromatopsia**  
D4D4D4



**Achromatomaly**  
D1E09F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CBF542 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #CBF542 looks like.

```
.text, #text, p{  
    color:#CBF542  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #CBF542 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CBF542
}
```

## Border

The CSS property to change the border of an element to Hex CBF542 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CBF542 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#CBF542 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #CBF542 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CBF542; -webkit-box-shadow:4px 4px  
4px 4px #CBF542; box-shadow:4px 4px 4px  
4px #CBF542 }
```

# Background

The CSS property to change the background color of an element to Hex CBF542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CBF542 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#CBF542 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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